Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Construction of Bengalore-One Office and tax Office, ward office and Multipurpose Building in Ward No.12, in Shettyhalli Sub Division.

Est .Cost Rs. 150.00 Lakhs

Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
KSRB 2-1 : Earthwork in surface excavation for levelling and loweringthe ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications, specification. No. KBS 2 .1 (a)/2.3.1Item No 2.1 P 6								
Site Cleaning	Cum	1	25.00	26.00	0.35	227.50		
						227.50	183.12	41660.89
Basic Rate	**169.56**							
Area Weightage 8%	13.56							
	183.12							
Earth work excavation for foundation of building water sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m after breaking of colds complete as per specifications.**PWD SR2018-19 P 6 It 2.4**								
Column footing	**Cum**	1	12.55	5.00	2.50	156.88		
Column footing		2	12.55	2.00	2.50	125.50		
long wall		4	5.80	0.90	1.05	21.92		
		4	1.00	0.90	1.05	3.78		
		4	3.90	0.90	1.05	14.74		
front column		1	7.70	2.00	2.00	30.80		
Sump tank		1	4.00	3.00	2.00	24.00		
Sanitary line		1	50.00	0.90	1.00	45.00		
Water supply line		1	50.00	0.75	1.00	37.50		
Verandah		1	12.00	0.90	0.90	9.72		
Building all round		2	18.30	1.00	0.20	7.32		
		2	16.10	1.00	0.20	6.44		
						483.60	484.92	234507.
				Net Qty				
Basic Rate	**449.00**							
Area Weightage 8%	35.92							
	484.92							

SRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 0mm. and down size, with approved sand including hand packing, ramming, atering, including cost of all materials and labour with all lead and lift, plete as per specifications, specification. No. KBS SR 2016-17, page No 5 em No 2.15								
olumn footing		1	12.55	5.00	0.30	18.83		
olumn footing		2	12.55	2.00	0.30	15.06		
						33.89	2,283.98	77392.80
Basic Rate	**2,114.80**							
Area Weightage 8%	169.18							
	2,283.98							
KSRB-3.2: Providing and injecting chemical emulsion for chemical barrier underand around the column pits, walls, trenches,basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) Specification No. KBS : 3.2.6 / 3.2.7 SR 2016-17, page No 7 Item No 3.2								
Column Footing		1	12.55		5.00	62.75		
Column Footing		2	12.55		2.10	52.71		
Column Footing		2	5.00		2.10	21.00		
Column Footing		1	12.55		2.00	25.10		
Column Footing		2	12.55		2.10	52.71		
Column Footing		2	2.00		2.10	8.40		
Corporator chamber		1	5.90		11.40	67.26		
Rest room		1	3.50		3.00	10.50		
Liabreary		1	7.80		5.00	39.00		
Bangalore one		1	7.80		6.15	47.97		
Passage		1	7.60		3.00	22.80		
Flaging area		2	17.40		1.50	52.20		
		2	11.75		1.50	35.25		
		1	2.40		12.00	28.80		
						526.45	111.24	58562.3
Basic Rate	103.00							
Area Weightage 8%	8.24							
	111.24							

rt Wall		4	15.20	0.90	0.60	32.83		
er		1	12.00	0.90	0.60	6.48		
ng wall 2nd		4	16.85	0.75	0.60	30.33		
ort Wall		4	15.35	0.75	0.60	27.63		
erandah		1	12.00	0.75	0.60	5.40		
						139.39		
educt For olumn		-20	0.45	0.45	0.60	-2.43		
				Net Qty		**136.96**	**4,853.52**	664747.8
Basic Rate	4,494.00							
Area Weightage 8%	359.52							
	4,853.52							

Providing and constructing **granite /trap/ baslat size stone masonry in basement** with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications **(Page No. 25, Item No. 5.9)**

	Cum							
Long wall		4	16.70	0.45	0.45	13.53		
Short Wall		4	15.50	0.45	0.45	12.56		
Verandah		1	12.00	0.45	0.45	2.43		
compound wall		1	98.00	0.45	0.45	19.85		
Deduct For Column		-20	0.45	0.45	0.45	-1.82		
				Net Qty		**46.53**	**5,921.64**	275560
Basic Rate	5,483.00							
Area Weightage 8%	438.64							
	5,921.64							

Providing ruled pointing to coursed stone masonry with cement mortar 1:3 20mm deep, after raking joints to depth of 20mm necely lining, including cost of materials, labour, curing complete as per specifications **(Page NO. 115, Item No. 15.3)**

Long Wall	Sqm	2	16.70		0.45	15.03		
Short Wall		2	15.50		0.45	13.95		
		2	12.00		0.45	10.80		
				Net Qty		**39.78**	**153.36**	61
Basic Rate	142.00							
Area Weightage 8%	11.36							
	153.36							

iding and laying in position **plain cement concrete of nominal mix 1:2:4** g 20mm and down size graded granite metal machine mixed concrete liad ıyers not exceeding 15cms thick well compacted in foundation plinth and) including cost of all materials, labour HOM of machinery, curing complete per specifications **(Page No. 13, Item No. 4.6)**								
randah	Cum	1	12.00	0.45	0.10	1.20		
ilding all round		4	18.30	1.00	0.15	10.98		
		4	16.10	1.00	0.15	9.66		
						21.84	**5,855.76**	127889.8
Basic Rate	5,422.00							
Area Weightage 8%	433.76							
	5,855.76							
Filling avaialble excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms in depth compacting each deposited layers by ramming after watering with lead upto 50m and lift upto 1.5m including cost of all labour complete as per specification **(Page No.7, Item No.**								
	Cum		Qty as per lt 1			227.50		
			Qty as per lt 2			483.60		
Basic Rate	201.00					**711.10**	217.08	154365
Area Weightage 8%	16.08							
	217.08							
KSRB 4.2.7 : Providing and laying in position reinforced cement concrete of **design mix M25 with OPC cement @ 340kgs**, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintles and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, ,pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **(P 14 lt 4.12 2018-19 PWD SR)**									
For Column footing	Cum	1	12.55	5.00	0.90	56.48		
		2	12.55	2.00	0.90	45.18		
circular colun		1	7.70	2.20	0.90	15.25		
staircase column		2	2.00	2.00	0.90	7.20		
For Column up to Plinth		9	0.75	0.90	1.50	9.11		
		7	0.75	0.90	1.50	7.09		

mn from h beam upto und floor roof		7	0.23	0.60	3.00	2.90		
		9	0.30	0.60	3.00	4.86		
lumn ground or roof to First or roof level		7	0.23	0.60	3.00	2.90		
		9	0.30	0.60	3.00	4.86		
linth beam		4	17.35	0.30	0.60	12.49		
		4	11.70	0.30	0.60	8.42		
oyar		1	12.00	0.30	0.60	2.16		
		1	8.30	0.30	0.60	1.49		
		1	7.00	0.30	0.60	1.26		
		1	2.20	0.30	0.60	0.40		
For Sump tank wall		2	4.00	0.20	3.00	4.80		
		2	2.50	0.20	3.00	3.00		
Sump roof		1	4.00	3.00	0.15	1.80		
ground floor Beams		4	17.35	0.30	0.45	9.37		
		4	11.30	0.23	0.30	3.12		
		4	1.20	0.23	0.30	0.33		
		1	8.20	0.23	0.30	0.57		
		1	5.50	0.23	0.30	0.38		
F/F Beams		4	17.35	0.30	0.45	9.37		
		4	11.30	0.23	0.30	3.12		
		2	3.60	0.23	0.30	0.50		
		1	8.20	0.23	0.30	0.57		
		1	5.50	0.23	0.30	0.38		
RCC roof G/F		1	17.35	16.10	0.15	41.90		
RCC roof F/F		1	17.35	16.10	0.15	41.90		
Stair landing GF & FF		2	2.00	1.20	0.15	0.72		
Waste slab		4	2.80	1.20	0.15	2.02		
steps		44	1.20	0.30	0.15	2.38		
front verandah slab		2	4.00	3.00	0.15	3.60		
Balcony		1	11.20	1.30	0.15	2.18		
		1	6.25	1.30	0.15	1.22		
						315.25	6,528.60	20581
Basic Rate	6,045.00							
Area Weightage 8%	483.60							
	6,528.60							

B 4.2.10 : **Providing and laying in position reinforced cement concrete esign mix M20** with OPC cement @ 24kgs, with 12mm and down size led granite metal coarse aggregates @0.05175cum and fine aggregtes @ 45cum, with superplastisiser @0.225lts, machine mixed, well compacted **plain chajja of 7.5 cms. average thickness**, upto ground floor level, luding cost of all materials, labour, HOM of machinery, finishing, curing, mplete but excluding cost of reinforcement as per specifications. ecification No. KBS 4.1, 4.6 (**P 15 It 4.19 PWD SR 2018-19)**								
hejja GF W1	**Sqm**	12*4	1.50	0.20		14.40		
		4*4	0.90	0.20		2.88		
hejja FF W1		12*4	1.50	0.20		14.40		
		4*4	0.90	0.20		2.88		
						34.56	475.20	16422.91
Basic Rate	440.00							
Area Weightage 8%	35.20							
	475.20							
Providing and fabricating TMT Steel (cold, Twisted) reinforcement for R.C.C. work including straightening, cutting, bending, hooking,placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design(laps and wasteage shall not measured and paid) cost of materials. labour. HOM of machinery complete as per specifications (Page No. 18, It. No. 4.46.3) **Fe 550**								
	Tonne							
			315.25	125kg/cum		**39.41**	77,239.44	3043740.34
Basic Rate	71,518.00							
Area Weightage 8%	5,721.44							
	77,239.44							
Providing and removing centering shuttering strutting propping etc., and removal of form work for **columns,** pillars, abutments, post and struts square/ rectangular/ polygon in plan including cost of all materials labour complete as per specification **(P. No.16, Item No. 4.32)**								
	Sqm							
Column Footings		6	13.50		0.75	60.75		
		4	13.50		0.75	40.50		
		2	4.00		0.75	6.00		
For Column up to Plinth		9	1.80		1.50	24.30		
		7	1.66		1.50	17.43		
Column upto ground floor roof level		9	1.80		3.00	48.60		
		7	1.66		3.00	34.86		
Column ground floor roof to First floor level		9	1.80		3.00	48.60		

		7	1.66		3.00	34.86		
						315.90	492.48	155574.43
Basic Rate	456.00							
ea Weightage 8%	36.48							
	492.48							

oviding and removing centering shuttering strutting propping etc., and moval of form work for sides and soffits of **beams beam houchings** antilever girders bressumers and lintels not exceeding 1m in depth including ost of all materials, labour complete as per specification (**Page No. 17, item lo. 4.34)**

linth beam	**Sqm**	4x2	17.35		0.45	62.46		
		4x2	11.30		0.45	40.68		
Beams GF		4x1	17.35		1.20	83.28		
		4x1	11.30		0.83	37.52		
Beams FF		4x1	17.35		1.20	83.28		
		4x1	11.30		0.83	37.52		
						344.73	315.36	108714.6
Basic Rate	292.00							
Area Weightage 8%	23.36							
	315.36							

Providing and removing centering shuttering strutting propping etc., for **chejjas**, corbels etc., including edges including cost of all materials, labour complete as per specifications **(Page No. 17, Item No.4.37)**

Chejja GF W1	**Sqm**	5*2	1.50	0.20		3.00		
V		1*2	0.90	0.20		0.36		
Chejja FF W1		5*2	1.50	0.20		3.00		
V		1*2	0.90	0.20		0.36		
Toilet Atta		2*2	1.80	0.20		1.44		
						8.16	348.84	2846
Basic Rate	323.00							
Area Weightage 8%	25.84							
	348.84							

Providing and removing centering, shuttering, strutting propping etc., and removal of form work for **stairs** (excluding landing) except spiral staircase including cost of all materials labour complete as per specification **(Page No. 17, Item No.4.38)**

Stair case	**Sqm**	4	2.70	1.50		16.20		
		2	2.00	1.50		6.00		

		36	1.20	0.15		6.48		
						28.68	561.60	16106.88
Basic Rate	520.00							
Area Weightage 8%	41.60							
	561.60							

Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs,**landing, balconies and likes thickness upto 200mm including cost of materials, labour complete as per specification **(Page No. 16, Item No. 4.29.2)**

For RCC roof G/F & F/F	**Sqm**	2	17.35	11.30		392.11		
Balcony roof		1	8.00	1.20		9.60		
Verandah		1	6.10	3.10		18.91		
Sump tank		1	3.50	2.50		8.75		
						429.37	432.00	185487.84
Basic Rate	400.00							
Area Weightage 8%	32.00							
	432.00							

Providing and constructing **pre cast concrete solid blocks** with compressive strength not less than 35 kg/sqm with cement mortar 1:4 masonry (quoins, jamb,closer blocks) with solid concrete blocks of size 400x200x200cms conforming to I.S: 2185/1965 in superstructure including cost of materials,labour charges,scaffolding,curing etc., complete as per superstructure **(Page No. 27 ,Item No.5.27.2)**

Ground floor wall	**Sqm**	2	17.35		2.80	97.16		
		4	11.30		2.80	126.56		
		1	7.80		3.00	23.40		
Toilet		1	3.00		3.00	9.00		
		1	1.50		2.10	3.15		
		1	0.30		2.10	0.63		
		1	1.75		2.10	3.68		
		1	0.60		2.10	1.26		
below stair case		2	2.00		2.10	8.40		
First Floor		2	17.35		2.80	97.16		
		3	11.30		2.80	94.92		
		2	8.50		2.80	47.60		
		1	5.90		3.00	17.70		
		1	2.40		2.80	6.72		
		1	2.00		2.80	5.60		

						Total A+B+C+D	14997266.00
	for unforseen work						2,734.00
						Grand Total Rs	15,000,000.00

(Rupees One hundred and fifty Lakhs Only)

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-12

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ.

ದಿನಾಂಕ

ರೂ. [Rs 150.00 lakhs]
Rupees One hundred & fifty Lakhs only

ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ

ನಂ. CE/TS/422/17-18 ದಿನಾಂಕ : 27/12/17

ರೂ. Rs. 50.00 lakhs only

ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ